

Patent Abstracts of Japan

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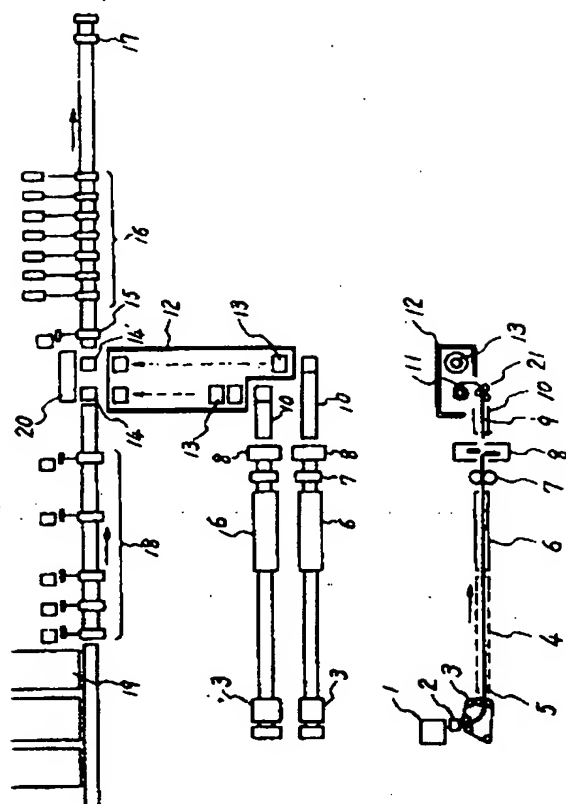
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APPLICANT : HITACHI LTD;

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TITLE : CONTINUOUS AND DIRECT SHEET  
ROLLING PLANT



ABSTRACT : PURPOSE: To remarkably save energy, by providing a roughing mill, used for rough rolling a thick slab into a thin slab, to the inlet side of a hot tandem finishing mill.

CONSTITUTION: A continuous and direct sheet rolling plant is constituted of a coiler 11 for coiling in high speed, a hot thin slab obtained in a continuous cast plant 3 after shearing said slab, a coil heating furnace 12 for transferring a coil after coiled in the direction intersecting perpendicularly to the line of a hot tandem finishing mill 16 while insulating the heat of coil or heating the coil, coil-uncoilers 14 and 14' for supplying the thin slab to the mill 16, a roughing mill for rolling the thick slab into the thin one, and an intermediate table 20 for guiding the rolled thin slab to the mill 16. The table 20 and uncoilers 14, 14' are arranged on the line connecting the roughing mill 18 and tandem finishing mill 16 so that the alternate arrangement of the table 20 and uncoilers 14, 14' are possible.

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